CLAIMS

- A continuous method of cutting a plurality of moist substrates comprising:
- a) placing a log of moist substrate on a conveyor, the log having a length, a width and a moisture content of at least about 50%;
 - b) advancing the conveyor;
 - c) discharging the log from the conveyor onto a transfer plate;
 - d) placing the log into a pocket on a cutting support;
- e) advancing the pocket containing the log toward a plurality of cutting blades;
- f) advancing the pocket containing the log through the cutting blades, whereby the log is cut into a number of shorter rolls;
- g) advancing the pocket containing the rolls away from the cutting blades;
 - h) discharging the rolls from the pocket; and, repeating steps a) through h) in a continuous manner.
 - 2. The method of claim 1, wherein the log is at least 2540 mm long.
- 3. The method of claim 1, wherein the log has a diameter of from about 50 mm to about 140 mm.
- 4. The method of claim 1, wherein at least 95% of the log is cut into useable rolls.
 - 5. A method of cutting a coreless wet wipes log comprising:
- a) placing a coreless wet wipes log in a pocket, the log having a length of at least 2540 mm, a diameter of from about 50 mm to about 140 mm and a moisture content of at least 50%;
- b) advancing the pocket containing the log toward a cutting position;
 - c) cutting the log into a plurality of rolls in the cutting position;

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- d) the pocket maintaining the shape, integrity and position of the log as it is cut into rolls without the need for clamps and with out the need for a mandrel: and.
 - e) discharging the rolls from the pocket.
- 6. The method of claim 5, wherein steps a) through e) are repeated in a continuous process resulting in the production of at least 300 rolls per minute.
- 7. The method of claim 5, wherein a conveyor is used to place the logs in the pockets.
- 8. The method of claim 5, wherein the rolls are discharged into a diverter.
- 9. The method of claim 5, wherein at least 95% of the log is cut into useable rolls.
 - 10. A method of making a plurality of wet wipes rolls comprising:
- a) placing a wet wipes log on a conveyor, the log having a length, a width and a moisture content of at least about 65%;
 - b) advancing the conveyor;
 - c) discharging the log from the conveyor into a holding support;
- d) advancing the support containing the log toward a plurality of cutting blades;
- e) engaging the log and the cutting blades, whereby the log is sectioned into a plurality of rolls; and,

repeating steps a) through e) so that at least 300 rolls are produced per minute.

- 11. The method of claim 10, wherein the log is at least 2540 mm long.
- 12. The method of claim 10, wherein the log has a diameter of from about 50 mm to about 250 mm.

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- 13. The method of claim 10, wherein at least 95% of the log is cut into useable rolls.
- 14. A continuous method of cutting a plurality of wet wipes logs comprising:
- a) placing a coreless wet wipes log on a conveyor, the log having a length, a width and a moisture content of at least about 50%;
 - b) advancing the conveyor;
 - c) discharging the log from the conveyor onto a transfer plate;
- d) metering the rate at which the log is discharged from the transfer plate to a pocket;
- e) advancing the pocket containing the log toward a plurality of cutting blades;
- f) engaging the log in the pocket with the cutting blades, whereby the log is cut into a number of shorter rolls;
 - g) discharging the rolls from the pocket;
- h) repeating steps a) through g) in a continuous manner; and, periodically interrupting the repetition of steps a) through g) to move the cutting blades to a position away from pocket; and,

honing the cutting blades while in the away position, whereby material from the honing does not contaminate the pocket, the log, or the rolls.

- 15. The method of claim 14, wherein the log is at least 2540 mm long.
- 16. The method of claim 14, wherein the log has a diameter of from about 50 mm to about 140 mm.
- 17. The method of claim 14, wherein at least 95% of the log is cut into useable rolls.
 - 18. A cutting apparatus comprising:

a base; a plurality of pockets; a drive; and a saw;

the plurality of pockets arranged in an endless loop; the drive associated with the pockets; the saw associated with the pockets; the pockets

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having channels therein; the saw having a cutting surface; the cutting surface being capable of being positioned within a channel; the pockets having a front side, a bottom and a back side; the front side having a lip; and the back side having a flat surface.

- 19. The cutting apparatus of claim 18, wherein the saw comprises at least 10 blades.
 - 20. The cutting apparatus of claim 18, comprising at least 4 pockets.
- 21. The cutting apparatus of claim 18, wherein the pockets have a distance between the front side and back side, the distance being from about 50 mm to about 250 mm.
 - 22. A cutting apparatus comprising:

a base; a sprocket; a plurality of pockets spaced around the sprocket; a drive; and a saw;

the drive associated with the sprocket; the saw associated with the sprocket; the pockets having a plurality of channels therein; the saw having a plurality of blades; the blades capable of being positioned within the channels; the pockets having a front side, a bottom and a back side; the front side having an arcuate lip; the front side having an flat surface; the bottom side having an arcuate surface; and the back side having a flat surface; the front and bottom surface forming a support surface that maintains the shape and form of the object during cutting.

- 23. The cutting apparatus of claim 22, wherein the saw comprises at least 10 blades.
 - 24. The cutting apparatus of claim 22, comprising at least 4 pockets.
- 25. The cutting apparatus of claim 22, wherein the width of the pockets is from about 50 mm to about 150 mm.
 - 26. A system for making rolls of wipes, the system comprising:

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a first metering device; a first transporting device; a second metering device; a second transporting device; a cutting device; a holding device; and a third transporting device;

the first metering device associated with the first transporting device; the second metering device associated with both the first transporting device and the second transporting device; the second transporting device associated with the holding device; the cutting device associated with the second transporting device; the third transporting device associated with the second transporting device;

the first metering device comprising a first controller and a first gate; the first transporting device comprising a first drive, a second controller, a base, a frame and a plurality of pockets; the second metering device comprising a third controller and a second gate; the third transporting device comprising a second drive, a fourth controller, a diverting device, and a holding device; and, the cutting device comprising a plurality of blades, a third drive, and a fifth controller.

- 27. The system of claim 26, wherein the controllers are the same.
- 28. The system of claim 26, comprising a master controller; the master controller associated with the controllers.
- 29. The system of claim 26, wherein the cutting device comprises at least 10 stainless steel blades.
- 30. The system of claim 26, comprising a honing device associated with the cutting device.
 - 31. A method of cutting a plurality of flexible substrates comprising:
- a) placing a flexible log on a conveyor, the log having a length and a width;
 - b) advancing the conveyor;
 - c) discharging the log from the conveyor into a holding support;

- d) advancing the support containing the log toward a plurality of cutting blades;
- e) engaging the log and the cutting blades, whereby the log is sectioned into a plurality of rolls; and,

repeating steps a) through e) so that at least 300 rolls are produced per minute.

- 32. The method of claim 31, wherein the log is at least 2540 mm long.
- 33. The method of claim 31, wherein the log has a diameter of from about 50 mm to about 250 mm.
- 34. The method of claim 31, wherein at least 95% of the log is cut into useable rolls.
- 35. A continuous method of cutting a plurality of flexible logs comprising:
- a) placing a flexible log on a conveyor, the log having a length and a width;
 - b) advancing the conveyor;
 - c) discharging the log from the conveyor onto a transfer plate;
- d) metering the rate at which the log is discharged from the transfer plate to a pocket;
- e) advancing the pocket containing the log toward a plurality of cutting blades;
- f) engaging the log in the pocket with the cutting blades, whereby the log is cut into a number of shorter rolls;
 - g) discharging the rolls from the pocket;
- h) repeating steps a) through g) in a continuous manner; and, periodically interrupting the repetition of steps a) through g) to move the cutting blades to a position away from pocket; and,

honing the cutting blades while in the away position, whereby material from the honing does not contaminate the pocket, the log, or the rolls.

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- 36. The method of claim 35, wherein the log is at least 2540 mm long.
- 37. The method of claim 35, wherein the log has a diameter of from about 50 mm to about 140 mm.
- 38. The method of claim 35, wherein at least 95% of the log is cut into useable rolls.
- 39. A continuous method of cutting a plurality of substrates comprising:
- a) placing a log of substrate on a conveyor, the log having a length and a width;
 - b) advancing the conveyor;
 - c) discharging the log from the conveyor onto a transfer plate;
 - d) placing the log into a pocket on a cutting support;
- e) rotating the pocket containing the log toward a plurality of circular cutting blades;
- f) rotating the pocket containing the log through the circular cutting blades, whereby the log is cut into a number of shorter rolls;
- g) rotating the pocket containing the rolls away from the cutting blades;
 - h) discharging the rolls from the pocket; and, repeating steps a) through h) in a continuous manner.